

UNITED STATES PATENT AND TRADEMARK OFFICE

**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,141,528 B2

DATED : November 28, 2006

INVENTOR(S): HAMPDEN-SMITH et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page

Section (56) References Cited, delete "2005/0009695 A1" and insert therefor --2005/0009696 A1--.

Column 68

Line 32, after "1," , insert --wherein--;

Line 33, delete ":m" and insert therefor -- $\mu$ m--.

MAILING ADDRESS OF SENDER:

David F. Dockery, Esq.

Registration No. 34,323

MARSH FISCHMANN & BREYFOGLE LLP

3151 South Vaughn Way, Suite 411

Aurora, Colorado 80014

Telephone: 303-338-0997

Facsimile: 303-338-1514

PATENT NO. 7,141,528 B2

**What is Claimed is:**

1. A powder batch comprising composite electrocatalyst particles, said electrocatalyst particles comprising a support phase and an active species phase dispersed on said support phase, wherein said support phase comprises primary support particles having an average size of from about 10 to about 100 nanometers, wherein the average cluster size of said active species phase is not greater than about 20 nanometers and wherein said electrocatalyst particles have a surface area of at least about 90 m<sup>2</sup>/g.

2. A powder batch as recited in Claim 1, wherein said active species phase has an average cluster size of from about 0.5 nanometers to about 5 nanometers.

3. A powder batch as recited in Claim 1, wherein at least about 50 percent of said active species phase has a cluster size of not greater than about 3 nanometers.

4. A powder batch as recited in Claim 1, wherein said active species phase comprises a metal.

5. A powder batch as recited in Claim 1, wherein said active species phase comprises a platinum group metal.

6. A powder batch as recited in Claim 1, wherein said active species phase comprises a metal oxide.

7. A powder batch as recited in Claim 1, wherein said active species phase comprises a transition metal oxide.

8. A powder batch as recited in Claim 1, wherein said active species phase comprises manganese oxide.

9. A powder batch as recited in Claim 1, wherein said electrocatalyst particles have a surface area of at least about 200 m<sup>2</sup>/g.

10. A powder batch as recited in Claim 1, wherein said primary support particles comprise carbon.

11. A powder batch as recited in Claim 1, wherein said primary support particles comprise graphitic carbon.

12. A powder batch as recited in Claim 1, wherein said electrocatalyst particles have an average particle size of not greater than about 10  $\mu$ m.

13. A powder batch as recited in Claim 1, wherein said electrocatalyst particles have an average particle size of from about 1  $\mu$ m to about 10  $\mu$ m.